

CHARACTERISTICS

Major characteristics of a ceramic bearing are: excellent corrosion and chemical resistance; self lubricating (absence of grease); and non-magnetic. Recommended environments include, but are not limited to: etching, cleaning, coating, medical, and testing equipment.



Code	Part No.	JIS	$D_{-0.02}^0$ [mm]	$d_{+0.02}^0$ [mm]	$W_{-0.1}^0$ [mm]	Balls material	Outer and Inner races material	Retainer material
	C-26-CHC10	6000	26	10	8	ZrO ₂	ZrO ₂	PTFE
	C-28-CHC12	6001	28	12	8	ZrO ₂	ZrO ₂	PTFE
	C-30-CHC10	6200	30	10	9	ZrO ₂	ZrO ₂	PTFE
	C-32-CHC12	6201	32	12	10	ZrO ₂	ZrO ₂	PTFE
	C-32-CHC15	6002	32	15	9	ZrO ₂	ZrO ₂	PTFE
	C-35-CHC15	6202	35	15	11	ZrO ₂	ZrO ₂	PTFE
	C-35-CHC17	6003	35	17	10	ZrO ₂	ZrO ₂	PTFE
	C-40-CHC17	6203	40	17	12	ZrO ₂	ZrO ₂	PTFE
	C-42-CHC20	6004	42	20	12	ZrO ₂	ZrO ₂	PTFE
	C-47-CHC20	6204	47	20	14	ZrO ₂	ZrO ₂	PTFE
	C-47-CHC25	6005	47	25	12	ZrO ₂	ZrO ₂	PTFE
	C-52-CHC25	6205	52	25	15	ZrO ₂	ZrO ₂	PTFE
	C-55-CHC30	6006	55	30	13	ZrO ₂	ZrO ₂	PTFE
	C-62-CHC30	6206	62	30	16	ZrO ₂	ZrO ₂	PTFE
	C-62-CHC35	6007	62	35	14	ZrO ₂	ZrO ₂	PTFE
	C-68-CHC40	6008	68	40	15	ZrO ₂	ZrO ₂	PTFE
	C-72-CHC35	6207	72	35	17	ZrO ₂	ZrO ₂	PTFE
	C-80-CHC40	6208	80	40	18	ZrO ₂	ZrO ₂	PTFE

Inner gap is under C4 (within 0.03mm)

Can be designed and produce in different sizes

Material: Ball and outer/inner races-Zirconia (ZrO₂); retainer — polytetrafluoroethylene (PTFE)

Guide to Corrosion Resistance

Use liquid	Material	Si ₃ N ₄	ZrO ₂	PTFE
Salt-Water		◎	◎	◎
Potassium Hydroxide		△	△	◎
Sodium Hydroxide		△	○	◎
Hydrofluoric acid		△	▲	◎
Phosphoric Acid		○	○	◎
Sulphuric Acid		○	○	◎
Hydrochloric Acid		△	○	◎
Nitric Acid		○	○	◎

- ◎ : anticorrosive
- : hardly corrosive
- △ : slight corrosive
- ▲ : possibility of corrosiveness

※Chemical and corrosion resistance will vary depending on chemical concentrations and temperatures.

(Guide to Corrosion resistance, is only a reference. For more information Please contact our sales and engineering departments for assistance)

TOK BEARING CO.,LTD.

HEAD OFFICE, TOKYO, JAPAN – TEL : 81-3-3969-1534 FAX : 81-3-3969-9354
EMAIL : overseas@tok-bearing.co.jp

Product specification are subject to change without prior notice.

Before assembly or use of any bearing, please read "Caution for Use"